

What is claimed is:

1. An image-forming apparatus, for forming an image on a recording material, an area of which is wider than that of a standard fixed-form size having a predetermined fixed-form size, based on an original image recorded on a document, comprising:

a plurality of recording material storing devices, in each of which said recording material can be stored;

an input section to establish information in regard to a size of said recording material, which is stored in one of said recording material storing devices, as setting information corresponding to each of said recording material storing devices;

a memory section to store said setting information corresponding to each of said recording material storing devices; and

a control section to determine controlling conditions based on said setting information and to control operations of said image-forming apparatus based on said controlling conditions;

wherein said setting information include said standard fixed-form size and longitudinal and lateral lengths of said recording material.

2. The image-forming apparatus of claim 1,

wherein said input section establishes a type of said recording material as said setting information, corresponding to each of said recording material storing devices.

3. The image-forming apparatus of claim 1,

wherein, at a first step, said standard fixed-form size is inputted into said input section as said setting information, and, at a second step, said longitudinal and lateral lengths of said recording material are inputted into said input section as said setting information.

4. The image-forming apparatus of claim 3,

wherein, when said longitudinal and lateral lengths, inputted at said second step, are shorter than those of said standard fixed-form size, inputted at said first step, said input section rejects the inputting operation of said longitudinal and lateral lengths.

5. The image-forming apparatus of claim 1, further comprising:

a displaying section to display said setting information in a manner such that said setting information

clearly corresponds to each of said recording material storing devices.

6. The image-forming apparatus of claim 5,

wherein said displaying section displays information in regard to said standard fixed-form size and information of size larger than said standard fixed-form size.

7. An image-forming apparatus, for forming an image on a recording material, an area of which is wider than that of a standard fixed-form size having a predetermined fixed-form size, based on an original image recorded on a document, comprising:

a plurality of recording material storing devices, in each of which said recording material can be stored;

an input section to establish information in regard to a size of said recording material, which is stored in one of said recording material storing devices, as setting information corresponding to each of said recording material storing devices;

a memory section to store said setting information corresponding to each of said recording material storing devices; and

a control section to determine conveyance controlling conditions, by which a conveyance mode of said recording material, fed from one of said recording material storing devices, is determined, based on said setting information, and to control operations of said image-forming apparatus based on said conveyance controlling conditions;

wherein said setting information include said standard fixed-form size and longitudinal and lateral lengths of said recording material, and said conveyance controlling conditions are determined based on said longitudinal and lateral lengths of said recording material.

8. The image-forming apparatus of claim 7,

wherein said input section establishes a type of said recording material as said setting information, corresponding to each of said recording material storing devices.

9. The image-forming apparatus of claim 7,

wherein said control section calculates an approximate fixed-form size, which does not exceed said longitudinal and lateral lengths, but is approximate to said longitudinal and lateral lengths, and said control section calculates said conveyance controlling conditions based on other conveyance

controlling conditions corresponding to said approximate fixed-form size.

10. The image-forming apparatus of claim 9,

wherein said other conveyance controlling conditions corresponding to said approximate fixed-form size are given in advance.

11. The image-forming apparatus of claim 9,

wherein said approximate fixed-form size is separately determined with respect to each of longitudinal and lateral directions.

12. The image-forming apparatus of claim 9,

wherein said control section compares said standard fixed-form size with a most approximate fixed-form size, which does not exceed said longitudinal and lateral lengths, but is most approximate to said longitudinal and lateral lengths, to determine said standard fixed-form size as said approximate fixed-form size when said standard fixed-form size is equal to said most approximate fixed-form size, or to determine said most approximate fixed-form size as said approximate fixed-form size when said standard fixed-form size is smaller than said most approximate fixed-form size.

13. The image-forming apparatus of claim 9,

wherein said control section calculates said conveyance controlling conditions based on difference values between longitudinal and lateral lengths of said recording material and longitudinal and lateral lengths of said approximate fixed-form size in longitudinal and lateral directions.

14. The image-forming apparatus of claim 13,

wherein said control section calculates said conveyance controlling conditions by compensatively adding said difference values to said other conveyance controlling conditions corresponding to said approximate fixed-form size.

15. The image-forming apparatus of claim 14,

wherein said control section calculates said conveyance controlling conditions in respect to a PPM interval control by utilizing said difference values in said longitudinal direction.

16. The image-forming apparatus of claim 14,

wherein said control section calculates said conveyance controlling conditions in respect to an ADU circulation

control by utilizing said difference values in said longitudinal direction.

17. The image-forming apparatus of claim 14,

wherein said control section calculates said conveyance controlling conditions in respect to a controlling operation for detecting a positional deviation of said recording material by utilizing said difference values in said lateral direction.

18. An image-forming apparatus, for forming an image on a recording material, an area of which is wider than that of a standard fixed-form size having a predetermined fixed-form size, based on an original image recorded on a document, comprising:

a plurality of recording material storing devices, in each of which said recording material can be stored;

an input section to establish information in regard to a size of said recording material, which is stored in one of said recording material storing devices, as setting information corresponding to each of said recording material storing devices;

a memory section to store said setting information corresponding to each of said recording material storing devices;

a control section to determine controlling conditions based on said setting information and to control operations of said image-forming apparatus based on said controlling conditions; and

an automatic magnification selecting section to automatically determine a magnification factor, utilized for forming said image on said recording material, from a size of said recording material and a size of said document, with respect to every size of said document;

wherein said setting information include said standard fixed-form size and longitudinal and lateral lengths of said recording material, and said magnification factor is determined based on said standard fixed-form size in respect to said recording material.

19. The image-forming apparatus of claim 18,

wherein said input section establishes a type of said recording material as said setting information, corresponding to each of said recording material storing devices.



20. An image-forming apparatus, for forming an image on a recording material, an area of which is wider than that of a standard fixed-form size having a predetermined fixed-form size, based on an original image recorded on a document, comprising:

a plurality of recording material storing devices, in each of which said recording material can be stored;

an input section to establish information in regard to a size of said recording material, which is stored in one of said recording material storing devices, as setting information corresponding to each of said recording material storing devices;

a memory section to store said setting information corresponding to each of said recording material storing devices;

a control section to determine controlling conditions based on said setting information and to control operations of said image-forming apparatus based on said controlling conditions; and

an automatic storing-device switching section to automatically switch from a feeding path of said recording material fed from a current recording material storing device to another feeding path of said recording material fed from another recording material storing device, which stores

recording materials having the same conditions as those of recording materials stored in said current recording material storing device, wherein, during consecutive image-forming operations for said recording materials continuously feeding from one of said recording material storing section, said automatic storing-device switching section automatically switches from said feeding path to said other feeding path, when said recording materials stored in said current recording material storing device have run out, and when said other recording material storing device currently stores said recording materials having said same conditions;

wherein said setting information include said standard fixed-form size and longitudinal and lateral lengths of said recording material, and said same conditions include full coincidence in said standard fixed-form size and longitudinal and lateral lengths in respect to said recording material.

21. The image-forming apparatus of claim 20,

wherein said input section establishes a type of said recording material as said setting information, corresponding to each of said recording material storing devices.